

ABSTRACT

An improved ceramic/metal composite material is disclosed which is fully reacted with aluminum. The composite is made from a ceramic preform, such as silicon carbide, having a binding agent, such as silica, that is contacted with a metal mixture or alloy, such as 5 aluminum/silicon, that reacts with the binding agent to form a ceramic/metal composite material. Also disclosed is a method of making the improved composite material and articles made incorporating the material.